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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,751	05/10/2002	Chu-Chia Tsai	ACIP0013USA	7421

277e-S 7590 07/03/2003

NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE)  
P.O. BOX 506  
MERRIFIELD, VA 22116

EXAMINER

CHANG, YEAN HSI

ART UNIT	PAPER NUMBER
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2835

DATE MAILED: 07/03/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/063,751	TSAI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Yean-Hsi Chang	2835	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on 10 May 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) 1-14 is/are pending in the application
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1-3, 5-11, 13 and 14 is/are rejected.
- 7) ☐ Claim(s) 4 and 12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 10 May 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All   b) ☐ Some \*   c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other:  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-2, 5-6, 9-10 and 13 rejected under 35 U.S.C. 103(a) as being unpatentable over Ketcham (US 6,195,589 B1) in view of Henrie et al. (US 6,519,144 B1).

Ketcham teach a personal digital assistant (12, fig. 1) comprising:

- A housing (9, fig. 1)
- A liquid crystal display panel (19, fig. 1) for displaying information stored in the personal digital assistant
- A slot and a latch (not shown) (see col.3, lines 17-19)
- A first connector (34, fig. 1) comprising a plurality of contacts (shown in fig. 1, not numbered) installed on a second side (bottom side of 9) of the housing for transmitting electric power and data
- A digital image capture device (10, fig. 1) which is detachable from the personal digital assistant, comprising: a second connector (36, fig. 1)

- corresponding to the first connector, comprising a plurality of corresponding contacts (shown in fig. 1, not numbered) for transmitting data
- Wherein the digital image capture device further comprises a switch (48, fig. 2) for switching on or switching off the digital image capture device (see col. 4, lines 2-8) (claims 5 and 13)
  - Wherein the digital image capture device further comprises a base (26, fig. 1) which is approximately perpendicular with the housing of the personal digital assistant (shown in fig. 1) for leaning on the personal digital assistant when the digital image capture device is connected to the personal digital assistant (claim 6)

Ketcham fails to teach a slot installed on a first side of the housing, a latch for matching the slot and a release button provided by the digital image capture device (claims 1-2 and 9-10).

Henrie teaches a PDA comprising a slot (60, fig. 3) on a bottom side of a housing (not numbered), a latch (39, fig. 9A) on a PDA cradle unit for mating the slot, and a release button (38, fig. 9A) for disengaging the latch and the slot.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Ketcham with the slot, latch and release button taught by Henrie for engaging and disengaging the PDA.

3. Claims 3 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ketcham in view of Henrie et al, further in view of Cha et al. (US 6,146,210).

Ketcham in view of Henrie et al discloses the claimed invention except the personal digital assistant further comprising a plurality of protruding plugs installed on a surface of the housing, and the digital image capture device further comprising a plurality of sockets corresponding to the protruding plugs of the personal digital assistant for precisely engaging with the personal digital assistant.

Cha et al teaches a personal digital assistant (10, fig. 1) comprising mating connectors (30 and 40, fig. 3) including a plurality of protruding plugs (48, fig. 3), and a plurality of sockets (38, fig. 3) corresponding to the protruding plugs for precise engagement.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Ketcham modified by Henrie et al with the plugs and sockets taught by Cha for the purpose of precise engagement of the personal digital assistant and the digital image capture device.

4. Claims 7-8 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ketcham in view of Henrie et al, further in view of Kim (US 6,301,098 B1).

Ketcham in view of Henrie et al discloses the claimed invention except the digital image capture device further comprises a movable lens unit which is capable of being adjusted pivotally to a predetermined position for capturing images (claims 7-8 and 14).

Kim teaches an image capture device (172, fig. 2) comprising a movable lens unit (172b, fig. 2) which is capable of being pivotally adjusted through a hinge (172c, fig. 2) to a predetermined position for capturing images.

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Ketcham modified by Henrie et al. with the image capture device taught by Kim for easily capturing images.

### ***Allowable Subject Matter***

5. Claims 4 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: The best prior art of record, Ketcham (US 6,195,589 B1), Henrie et al. (US 6,519,144 B1), Kim (US 6,301,098 B1) and Cha et al. (US 6,146,210), taken alone or in combination, fails to teach or reasonably suggest a personal digital assistant comprising a first connector having fourteen pins, and a image capture device comprising a second connector having fourteen receiving holes for matching with the corresponding pins as set forth in claims 4 and 12.

### ***Correspondence***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yean-Hsi Chang whose telephone number is (703) 306-5798. The examiner can normally be reached on 07:30-16:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (703) 308-4815. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3431 for regular communications and for After Final communications. There are RightFAX numbers and provide the fax sender with an auto-reply fax verifying receipt by the USPTO: Before-Final (703-872-9318) and After-Final (703-872-9319).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 305-8558.

Yean-Hsi Chang  
Patent Examiner  
Art Unit: 2835  
May 11, 2003

A handwritten signature in cursive script, appearing to read 'Yean-Hsi Chang', is written below the typed name and date.